THE TECH

VOL. XXVIII. No. 42 BOSTON, MASS., MONDAY, JANUARY 11, 1909 PRICE THREE CENTS

TECHNOLOGY WINS FROM WILLIAMS

Team Wins by its Team Work and Staying-Power Third Victory

HARVARD TOMORROW

Expect Victory in Fast Game at Cambridge—Vacation Trip is Announced

Saturday night the Technology basketball team won its third victory of the season, defeating the crack Williams College five at Williams, in a close nip-and-tuck game. The first half was marked by roughness and the Institute men were bothered by the poor lights and strange floor. All the baskets were hotly contested and scrimmage work was universal. The half ended with the score 14-13, in favor of Tech.

The second half gave promise of degenerating into a rough-and-tumble game, but towards the end the Tech team, by its greater staying power and better condition, forged ahead, winning by the score of 30-25.

Wentworth and Parker did the best work for Tech.

The line-up:—

TECH	WILLIAMS
Hargraves, r.f.	l.b., Williams
Lord, l.f.	r.b., Templeton
Parker, c.	c., Horrax
Bemis, r.b.	l.f., Lowney
Wentworth, l.b.	r.f., Lewis

Score—Tech 30, Williams 25. Goals from floor—Wentworth 4, Lowney 5, Lewis 2, Horrax 1, Templeton 1, Parker 7, Hargraves 1, Lord 1. Goals from fouls—Templeton 7, Parker 4. Referee—Waters, Williams. Scorer—Kenricks, M. I. T. Timer—Tate, M. I. T. Time—2-20 minute halves. Attendance—500.

Encouraged by the victories over swift teams that have already been secured this season, the basketball team is going over to Harvard next Tuesday night with the idea of playing the best game of basketball ever put up on the Cambridge floor. Last year the Institute five played a tie game with the Harvard team and only lost out by one point at the end of two extra periods.

This year the Tech team's strong point is its staying and rallying power. They have also shown themselves to be able to score baskets in a pinch as well as in regular play. Therefore, they will not fail in that way this year. This year the Harvard team will not have any advantage over other teams because of their peculiar rules as their shoot-from-a-dribble rule has been universally adopted in intercollegiate basketball. Last year the Technology team was hampered by this rule, but this year they have made it their favorite style of play.

To get to the Hemenway gymnasium, where the game will be played, take Harvard Square cars from Dudley St., Boylston St., Scollay Square, North Station, or South Boston.

Next Thursday night the team goes to Lowell to play the Lowell Textile School team.

In the vacation following the mid-year exams, the team will play several teams in and around New York City.

Wesleyan is their first opponent on Wednesday, Feb. 3, 1909, at Middletown, Conn. Thursday night Manhattan College will be the opponents, Friday night the College of the City of New York, and Saturday New York University. This game will be the hardest, as well as the last, of the trip.

J. E. Woodwell 1896, Asso. Am. Inst. E. E., of the firm of L. B. Marks and J. E. Woodwell, New York City, has been chosen as consulting engineer for the entire mechanical and electrical equipment of the new U. S. postoffice, to be erected at the Pennsylvania terminal station in New York City. Prof. S. H. Woodbridge will be associate consulting engineer for the heating and ventilation of this building.

INTERCLASS MEET GOES TO JUNIORS

Sophomores Do Poor Work and Land in Last Place Freshmen Do Well

BREAK THREE RECORDS

Mills Breaks Mile Record—Gram Quarter Mile and Allen Pole Vault

Three indoor records were broken at the annual indoor class meet, held Saturday night in the gymnasium. L. O. Mills 1910, clipped 9 1-5 seconds from the former indoor record for the mile, Capt. Carl Gram 1909, made a new record for the quarter, and W. D. Allen 1911, raised the record for the pole vault three inches. The juniors won the meet with a total of 30 points, the freshmen came second with 20 1-2 points, seniors third with 17 1-2 points, and the sophomores last with 17 points.

In the first half of the mile run, H. S. Benson 1912, set a killing pace, keeping well ahead of the rest of the field. In the ninth lap L. O. Mills 1910, passed him, gaining a lead which he maintained until he crossed the tape. He finished in the remarkable time of 4 min. 59 1-5 sec.; Mills had lapped all of his opponents except H. H. Howland 1909, who saved himself by a few feet.

In the 440, Carl Gram 1909, took the lead in the last lap, and in a close and exciting finish, won the race from A. L. Moses 1910, in the new record time of 58 seconds.

In the pole vault, two sophomores broke the previous indoor record. W. D. Allen, the holder of the outdoor record, cleared the bar at 10 feet 6 inches, and W. C. Salisbury did 10 feet 3 inches. H. Greenleaf 1912, took third place from H. S. Gott 1910.

The summary:—

Thirty-five-yard dash—Won by C. Gram 1909; J. Becker 1912, second; W. C. Salisbury 1911, third; K. D. Fernstrom 1910, fourth. Time—4 1-4 secs.

Four hundred and forty-yard dash—Won by C. Gram 1909; A. L. Moses 1910, second; K. D. Fernstrom 1910, third; W. C. Salisbury 1911, fourth. Time—58 secs. (record.)

Eight hundred and eighty-yard run—Won by P. D. White 1911; J. I. Murray 1912, second; F. J. Shepard 1912, third; C. L. Tuller 1912, fourth. Time—2 min. 13 3-5 sec.

One-mile run—Won by L. O. Mills 1910; H. H. Howland 1909, second; H. S. Benson 1912, third; J. N. Stephenson, fourth. Time—4 min. 5 21-2 sec. (record.)

Thirty-five-yard hurdle—Won by H. S. Mason 1910; J. Pead 1910, second; G. B. Cummings 1910, third; F. F. Bell 1910, fourth. Time—5 4-5 sec.

Shot put—Won by H. S. Gott 1910; J. L. Bray 1912, second; J. L. Chamberlain 1909, third; F. G. Metcalf 1911, fourth. Distance—34 feet 8 in.

High jump—Won by E. Stuart 1910; P. Dalrymple 1912, second; R. H. Allen 1909, and L. S. Hooper 1912, tied for third. Height—5 ft. 6 1-2 in.

Pole vault—Won by W. D. Allen 1911; W. C. Salisbury 1911, second; H. Greenleaf 1912, third; H. S. Gott 1910, fourth. Height—10 ft. 6 in. (record.)

Point Summary.

	1909	1910	1911	1912
35-yard dash	5	1	2	3
440-yard dash	5	5	1	0
880-yard run	0	0	5	6
Mile run	4	5	0	0
Hurdles	0	11	0	0
Shot put	2	5	1	3
High jump	1 1-2	5	0	4 1-2
Pole vault	0	1	8	2
	17 1-2	33	17	20 1-2

William G. Houck 1893, is president for the ensuing year of the Engineers' Society of Western New York.

SHOW WILL TAKE TWO EXTRA TRIPS

Providence and Northampt'n to be Visited by Show Two Matinees

THEATRE NOT CHOSEN

Unusual Opportunity for New Men as Principals—Chorus and Management

With Tuesday and Thursday matinees in Boston and a performance in Northampton as last year, the Show hopes to go to Providence as well, this season, thus making two trips. April 19th comes on Monday, and as it fell on Sunday last year and was observed on Monday, the situation is just the same. The junior week vacation includes Monday, Tuesday, Wednesday, and Thursday afternoon, and it is certain that one of the leading theatres can be secured for Tuesday and Thursday, although which one has not been decided as yet.

Following the great success which the Show made at Smith College last year, the trip for this year has been arranged, and it only remains to sign the contracts. Besides these performances, it is probable that the Show will go to Providence where it has made such a hit with the Brown students for a number of years, up to last year. As in former years, special trains will be chartered for the trips. The trip has always been a big feature of the Show, but never before have two performances been given outside of Boston or Malden, and this will be a great incentive for candidates for the managements and cast.

The cast and chorus is to be selected immediately after the vacation, and will then begin to rehearse. Unfortunately, Clifford Hield 1910, who has taken leading parts in the two plays since he entered the Institute, will be unable to come out this year, on account of Technique work. Kennison 1908, one of the principals last year, has graduated and it is doubtful if Malcolm, the author of the play, who made such a name for himself last year in the part of the uncle, will be able to come out. Kibbey, Tech's star comedian, and Belden, leading lady of many productions, are back, however, and H. H. Catching 1911, is also looked to for some good work. There is no doubt that the cast will be a strong one, but there is still need of new material, and it is hoped that a large crowd will respond to the call for candidates next term.

FENCING MEET AT GYM

Wednesday evening of this week, at eight o'clock, the Tech Fencing team will meet that of the Springfield Training School at the Gym. This meet was originally scheduled at Springfield, but at the request of the Springfield team it will be held in Boston and there will be a return meet at Springfield on some later date.

The Springfield School has always turned out good fencers and the team this year does not seem to be an exception.

CO-ED GRADUATES MEET

The M. I. T. Women's Association held its ninth annual meeting Saturday afternoon in the Margaret Cheney reading room. After a short business meeting Miss Ida Annah Ryan 1905, M. S. 1906, who won the travelling scholarship in 1907, told of her year of study

The officers of the Association are as follows:—President, Mrs. E. H. Richards; first vice-president, Miss Matilda A. Fraser; second vice-president, Mrs. Florence Wood Ewing; recording secretary, Miss H. L. Gates; corresponding secretary, Miss Lillian J. MacRea; treasurer, Miss Annie E. Allen; auditor, Miss Jane Patten.

WALKER LECTURES TO SOCIETY OF ARTS

Means of Preventing Rusting of Iron and Steel to be His Subject

TALK ON ELECTRICITY

Dr. Steinmetz Lectures on Future of Electricity in Last Lecture of January

At the 654th meeting of the Society of Arts, Wednesday, Jan 13, Dr. William H. Walker will give a lecture on the "Corrosion of Iron and Methods of Preventing It," in lecture room No. 6, Lowell Building, at eight o'clock. The meeting will be held in the Lowell Building, as the experiments to be shown require an amphitheatre. Dr. Walker's investigations in the Laboratory of Applied Chemistry have changed some old ideas in regard to the conditions affecting the corrosion of iron, and suggested new ways of preventing the tremendous loss caused by its ravages in all iron structures, such as bridges, buildings, machinery, and fixtures. The results of his research has been applied to almost every steel in our modern sky-scrapers, to the pitting of boiler shells and tubes and the deterioration of fence-wire and the ordinary tin can.

(Continued on page 3.)

CALENDAR

MONDAY, JAN. 11.

2:00 P. M.—Unregistered track men see Fernstrom.
4:00 P. M.—Gym Team candidates report daily at Gym.

TUESDAY, JAN. 12.

1:00 P. M.—Meeting of Chess Club.
4:15 P. M.—Prom Committee, Room A at Union.
7:45 P. M.—E. E. Society meeting at the Union.
8:00 P. M. —Basketball; Tech vs. Harvard at the Hemenway Gym.

WEDNESDAY, JAN. 13.

1:15 P. M.—1911 Football. All men who played Field Day meet at Marceau's for picture.
4:00 P. M.—Half-mile relay trials.
4:15 P. M.—Glee Club rehearsal. No one will sing at the Alumni dinner who does not attend this rehearsal.
7:30 P. M.—M. E. Society meeting at 11 Eng B.
7:45 P. M.—American Society of C. E. at Tremont Temple.
7:45 P. M.—C. E. Society meeting postponed indefinitely.
8:00 P. M.—Meeting of Society of Arts in Huntington Hall.

THURSDAY, JAN 14.

8:00 P. M.—Gym Team exhibition and first class basketball game at the Gym, 1911 vs. 1912.
8:00 P. M.—Alumni dinner.

SATURDAY, JAN. 16.

3:00 P. M.—Hockey; Technology vs. Andover at Andover.
3:15 P. M.—Basketball; 1911 vs. Harvard 1912.
4:00 P. M.—300-yard relay trials.

THURSDAY, JAN 28.

8:00 P. M.—Meeting of the Society of Arts in Huntington Hall.

SATURDAY, JAN 30.

8:00 P. M.—Y. M. C. U. meeting. The speaker will be Prof. C. Frank Allen, the subject, "The Railroad."

TUESDAY, FEB. 2.

8:00 P. M.—B. A. A. meet in Mechanics Building.

WEDNESDAY, FEB. 3.

8:00 P. M.—Basketball; Tech vs. Wesleyan atMiddletown.

THURSDAY, FEB. 4.

3:00 P. M.—Hockey with Williams.
8:00 P. M.—Basketball; Tech vs. Manhattan College, New York.

FRIDAY, FEB. 5.

8:00 P. M.—Basketball; Tech vs. College of the City of New York.

SATURDAY, FEB. 6.

3:00 P. M.—Hockey with Amherst.
8:00 P. M.—Basketball; Tech vs. New York University.

BASKETBALL AT HARVARD TOMORROW NIGHT

THE TECH

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Monday, January 11, 1909.

Basketball against the Harvard team at Cambridge tomorrow night. Last opportunity to see a game near home until Feb. 13. Loyal rooters are going over the river to show their appreciation of the excellent work that is being done by the team. Are you one of them?

Nearly double the number of alumni at the last banquet are expected at Horticultural Hall Thursday evening. Another royal welcome for Dr. Maclaurin!

The next regular issue of The Tech will be published on February 10.

Exams will be with us before we know it; begin a systematic review tonight! The Tech hopes for the best success of us all and may we all be back strong for the new conquests.

In an article of universal interest appearing in the New York Evening Post, Prof. T. A. Jaggar, Jr., of the department of geology of the Institute outlines the present conditions and the opportunity for future development in the study of the earth and its processes. He points out that the recent disturbances at Mount Etna had been scientifically predicted for two years past and that the lack of world knowledge on the science of geology prevented the use of this prediction to check the awful destruction which followed the disaster on the Island of Sicily.

For the prevention in the future of just such losses of life, Prof. Jaggar shows the need of a greater advance in the geology of prediction, or as he calls it, "humanistic geology," and he points the way in his closing words:—

"When young men think of making science their life-work, it would be well to remember Pasteur, and to consider carefully whether the "highest" development of the investigative faculties may not concern itself with humane rather than historical motives. To those who will give time and money to the establishing of observatories there will come by way of reward, some of the most astonishing discoveries of the twentieth century."

Truly may it be said that that man who devotes his whole life to the betterment of the conditions of his fellowmen is doing a noble work. The opportunities in the field of humane development, now so poorly supplied in comparison with the entire number of world-workers, should receive careful thought and for none is this more true than the college men of today.

A life unselfishly devoted to any effort to lessen human misery, and death from disease or unnecessary accident, receives its immediate reward in the satisfaction of having done the highest possible good for the world.

F. H. Newell 1885, director U. S. Reclamation Service, gave an illustrated lecture on "Irrigation in the Hawaiian Islands," to the Washington Society of Engineers at their annual meeting last month.

PROFESSORS HONORED

The meeting of the American Association for the advancement of science, together with the national societies affiliated therewith, which was held at Baltimore during the week just passed was a most successful one. The Institute was well represented, the following members of the instructing corps being present:—

Professor H. P. Talbot was chairman of the section of the American Chemical Society, devoted to Education as Related to Chemistry, and presided over the meetings devoted to this subject. He was also the retiring vice-president of Section C, of the American Association for the Advancement of Science, in which capacity he delivered a most highly appreciated address upon the subject, "The Teaching of Science as a Career."

Prof. H. W. Tyler was chairman of the Section on Mathematics and took a leading part in the deliberations of that body.

Dr. Gilbert N. Lewis was chairman of the Section on Physical Chemistry, and delivered an address upon "The Use and Abuse of the Ionic Theory," on which was bestowed much favorable comment.

Dr. William H. Walker presented to the Division on Industrial Chemistry and Chemical Engineering the results of work carried on in the Research Laboratory of Applied Chemistry upon, "The Corrosion of Tin Plate and a method for determining the continuity of the Tin Coating," which was well received.

Dr. C. H. Warren was an active participant in the meetings of the Sections devoted to Geology and Minerology.

Among other members present were: Dr. A. H. Gill, Dr. Bray, and Dr. James F. Norris, President of the Technology Club.

Dr. W. R. Whitney 1890. was elected President of the American Chemical Society for the ensuing year, and Mr. A. D. Little 1885, was reelected chairman of the Division of Industrial Chemists and Chemical Engineers, in order that he might continue for another year the wonderfully efficient service which he has devoted to the section during the present year, and bring to fruition the lines of development and possibilities for greater service which have been recently undertaken under his guidance.

Attendance at such meetings by members of the instruction staff, is a source of great aid, both in the way of recreation and incentive, and cannot fail to redound to the benefit, both of the individual and to the Institute.

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PROF. SWAIN LECTURES

Last Saturday evening, at the B. Y. M. C. U., Prof. Swain gave a lecture on "The Conservation of Our Natural Resources." He is a member of the National and State Committees on Conservation and is one of the best informed men in the country on that subject.

The forest supply is rapidly being used up through recklessness and fire. Less than one-third of the timber cut is utilized, and forest land is needlessly wasted because such industries as the tanneries and the pulp mills are not carried on together.

The water supply is being better regulated by the formation of forest reserves. The forest bed acts as a sponge and also prevents the corrosion of the earth. Enough water power is lost, at the present time, to turn every spindle and furnish all the lighting and railroad power in the country.

At the present rate of consumption of coal, the supply will be used up by the year 2050; 1,000,000 cubic feet of natural gas is wasted every day, or enough to light all the cities in the United States.

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WALKER LECTURES

(Continued from page 1.)

As a recognition of the value of this work Dr. Walker was awarded the Nichols Gold Medal by the American Chemists' Society in New York just a year ago. He has been invited to appear before the Iron and Steel Institute of Great Britain at its annual meeting, to be held in London on the 15th of next May, to deliver an address upon this general subject of corrosion.

On Thursday, Jan. 23, Dr. Charles P. Steinmetz will lecture on "The Future of Electricity."

Dr. Steinmetz has had conferred on him a number of honorary degrees, including an A. M., at Harvard and a Ph.D. at Union. He is a member of the American Mathematical Society and of the American Physics Society and a Fellow of the American Association for the Advancement of Science, besides being a past president of the American Institute of Electrical Engineers. He is now Professor of Electrical Engineering at Union University, besides carrying on his work of research in his personal laboratory, supported by the General Electric Company.

RELAY TRIALS SOON

First Trials this Week—Teams to Run in B.A.A. Meet Feb. 6.

Technology is to enter 2 mile and 1560-yard relay teams in the B. A. A. meet and the Lawrence Light Guard meet.

Trials for the 2 mile relays, in which each man runs 1-2 mile, will be held Wednesday at 4 P. M. Those for the shorter distance relay team in which each man runs 390 yards, will be held Saturday, at 2:30 P. M., thus allowing men who fail to make the 2 mile team to try for the 1-2 mile team. In each case a squad of six men will be picked from which the first team of four men each will be picked later.

If the weather permits, all trials will be held on the outdoor track, recently built at the Oval as this track is the same as the one in the Mechanics Building on which the races will be run.

The team for the shorter distance will run in the B. A. A. meet, Feb. 6, and Coach Kanaly expects to be able to turn out a team capable of smashing the B. A. A. record for 1560 yards Manager Fernstrom is arranging a race with Columbia at this distance.

The team for the longer distance is entered in the Lawrence Light Guard meet to race Tufts and a two-mile race is pending for the B. A. A. meet.

INTERCLASS GAME

First of Series Between 1911 and 1912—Gym Exhibition

Next Thursday the Gym team will hold its annual meet at the Gym. Besides the regular order of events, a wrestling match, a boxing match, and a basketball game will add to the evening's entertainment.

W. D. Allen 1911, who broke both the out-door and in-door record in the pole vault this year, is the star performer on the apparatus in general. C. W. Wilson 1910, the Institute contortionist, will perform with R. Jacobs 1910, on the mat. B. T. Courtney 1910, is scheduled for some clever club-swinging. Last year he made a hit by swinging lighted torches. H. S. Smith 1911, and C. D. Carey 1909, will star on the horse.

H. D. Billings 1910, and S. Schneider 1909, will put on the mits for four rounds. The wrestling match, the other side event, will prove a close contest. H. E. Meyers 1912, has done considerable work in this sport at Princeton, while the other contestant, H. O. Jenks 1909, is considered the best man at the game in the Institute.

The following members of the team will perform:—R. Jacobs 1910, S. H. Seelye 1912, W. Schoffield 1910, H. S. Smith 1911, W. D. Allen 1911, C. D. Carey 1909, H. O. Maxwell 1912, C. W. Wilson 1910, mgr., and H. S. Gott 1910, capt.

On Thursday, Jan. 14, at 8 P. M., the freshman and sophomore basketball teams will line up for the first of a series of three games.

The sophs will be without the services of Capt. Parker on account of the varsity game with Lowell Textile on the following night. The freshmen lost Capt. Kendricks and Bemis for the same reason.

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JIU JITSU DISCUSSION

In the presence of two hundred students at the Union Thursday afternoon, Prof. J. J. O'Brien, of Jiu Jitsu fame, gave a lecture and demonstration on this manly art of self-defense. He was assisted in his demonstration by H. D. Bounetheau 1909, who incidently proved himself quite an adept in this art.

Prof. O'Brien prefaced his exhibition with a relation of his experiences during his ten year's experience as Japanese police inspector. Strange as it may seem, the lecturer asserted that during his stay in Japan he never once heard any allusion to the word Jiu Jitsu.

Then Prof. O'Brien began his exhibition, which, he said, was in the nature of a short course of instruction. He showed many positions and grips, such as the "hammer-lock," "come-along," "policeman's grip," etc. Following this he gave a series of positions for revolver work, closing with a few methods of ejecting objectionable people from a room.

After the exhibition Prof. O'Brien offered for sale twenty-five of his books on Jiu Jitsu. Judging from the combats immediately after the exhibition, Prof. O'Brien's words and actions were not useless.

GRADUATES TO DINE

Alumni Plan to Have Greatest Dinner in Their History

On January 14, the alumni are planning to hold the largest reunion in the history of the association. Already more than twice the usual number have signified their intention of coming, and they are planning to give President-elect Maclaurin a great reception.

The committee in charge expects to spend several hundred dollars upon the decorations of the hall, which will be brilliantly lighted by electrical effects, and tastefully decorated with numerous Technology banners.

The principle speaker of the evening will be Dr. Maclaurin, who will be seen for the first time by the alumni as a body. Other speakers of the evening are President Noyes 1886, Governor Eben S. Draper 1878, and Robert S. Woodward, president of the Carnegie Institution of Pittsburg, Penn.

CHESS WITH BROWN

At a meeting this noon the Chess Club will arrange meets with Brown and Harvard. Brown has offered to play Jan. 23, or Jan. 30. The Harvard date is uncertain. There are to be five or six boards and both matches will probably be played at the Union.

M. E. Society, Jan. 13, 7:30 P. M. Mr. A. A. Merrill and Mr. G. Small 1907, will speak on "Aeronautics."

NOTICES

Students planning to take Esperanto should attend the lecture at the Boston Public Library on Saturday, Jan. 16, at 8 P. M., by Dr. Lowell, on the advantages of Esperanto over Ido, its new rival.

Unregistered track men, see Fernstrom for registration blanks in Room A, in the Union, 2 P. M.

1911 FOOTBALL—All men who played Field Day meet at Marceau's, Wednesday, 1:15 P. M., for picture

GLEE CLUB—Rehearsal Wednesday at 5:15 P. M. No one will sing at the alumni dinner who does not attend this rehearsal.

T. P. A.—Important special meeting at 1 P. M. today, in 30 Eng. C.

THE TECH—Meeting of the Board of Editors at 5 P. M. today in 30 C.

GYM TEAM—Candidates report daily at 4 o'clock at the Gym for practice.

TECH SHOW—Will the man who handed in a show entitled "The Fortune Hunter," leave his name at the Cage for R. F. Goodwin, Jr.?

C. E. SOCIETY—Meeting scheduled for Wednesday, Jan. 13, is indefinitely postponed. All members are cordially invited to attend a meeting of the Boston Section of American Society of Civil Engineers, at Tremont Temple, Wednesday, Jan. 13, 7:45 P. M. Mr. Desmond Fitzgerald will speak on "Docks and Dock Facilities of Europe."

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

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FRESHMAN DINNER—Boys who were in flashlight photo can see proof and leave orders with Charlie at Cage; also convocation photo Rogers steps orders can be placed.
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VACATION WORK—If you want a good position, where you can make money and enjoy yourself, see J. N. Stephenson 1909, before school closes. At the Union every day at meal-time. M1

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